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- collybiiformis (Murr.) Singer in Lilloa, 22, p. 493, 1951. (Syn. Naucoria collybiiformis Murr.).

howeana (Peck) Singer in Lilloa, 22, p. 492, 1951. (Syn. Pholiota howeana (Peck) Sacc.).

puiggarii (Speg.) Singer in Lilloa, 22, p. 492, 1951. (Syn. Pholiota puiggarii Speg. sensu Rick).

retigera (Speg.) Singer in Lilloa, 22, p. 493, 1951. (Syn. Naucoria retigera Speg.).

ALLANTULA Corner in Ann. Bot., Lond., N.S., 16, p. 270, 1952.—Clavariaceae. Type, A. diffusa.

diffusa Corner in Ann. Bot., Lond., N.S., 16, p. 272, 1952.—Brazil.

ALVEOPHOMA Bausá Alcalde in An. Jard. bot. Madr., 10, p. 247, 1952.—Sphaeropsidales.

caballeroi Bausá Alcalde in An. Jard. bot. Madr., 10, p. 247, 1952 on dead Fontanesia phillyraeoides. - Spain.

Amanita aestivalis Singer nom. nov. in Lilloa, 22, p. 387, 1951. (Syn. A. verna sensu auct.

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- -angustilamellata (v. Höhn.) Boedijn in Sydowia, 5, p. 318, 1951. (Syn. Amanitopsis vaginata var. angustilamellata v. Höhn.).
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- borneensis Boedijn in Sydowia, 5, p. 324, 1951.—Borneo.

- murrilliana Singer nom. nov. in Lilloa, 22, p. 385, 1951. (Syn. Venenarius gemmatus

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muscaria (L. ex Fr.) Pers. ex Gray subsp. americana (Lange) Singer in Lilloa, 22, p. 386, 1951. (Syn. A. muscaria var. americana Lange)

neglecta Boedijn in Sydowia, 5, p. 324,

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ovalispora Boedijn in Sydowia, 5, p. 320, 1951.—Java.

pallido-carnea (v. Höhn.) Boedijn in Sydowia, 5, p. 319, 1951. (Syn. Amanitopsis vaginata var. pallido-carnea v. Höhn.). similis Boedijn in Sydowia, 5, p. 322, 1951.

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sumatrensis Boedijn in Sydowia, 5, p. 326, 1951.—Sumatra.

tjibodensis Boedijn in Sydowia, 5, p. 325,

1951.—Java.

Amphichaeta ceratoniae da Camara in Agron. lusit., 13, p. 147, 1951 on Ceratonia siliqua.-Portugal.

Anellaria sepulchralis (Berk.) Singer in Lilloa, 22, p. 475, 1951. (Syn. Panaeolus sepulchralis (Berk.) Sacc.).

Angiopsora wiehei Cummins in Bull. Torrey bot. Cl., 79, p. 213, 1952 on Erlangea ? mar-

ginata.-Nyasaland.

ANNELLOPHORA Hughes nom. nov. in Trans. Brit. mycol. Soc., 34, p. 544, 1951. (Syn. Chaetotrichum Sydow, non Rabenhorst). Type, A. solani.

africana Hughes in Trans. Brit. mycol. Soc., 34, p. 546, 1951 on Anthocleista nobilis .-

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appendiculata Hughes in Trans. Brit. mycol. Soc., 34, p. 548, 1951 on Culcasia scandens.—Gold Coast.

solani (Sydow) Hughes in Trans. Brit. mycol. Soc., 34, p. 544, 1951. (Syn. Chaeto-

trichum solani Syd.).

Anthracophyllum berterii (Mont.) Singer in Lilloa, 22, p. 206, 1951. (Syn. Xerotus berterii Mont.).

lateritium (Berk. & Curt.) Singer in Lilloa, 22, p. 206, 1951. (Syn. Xerotus lateritius

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Arachnopeziza araneosa (Sacc.) Korf in Lloydia, 14, p. 165, 1952. (Syn. Belonidium araneosum Sacc.).

- candido-fulva (Schw.) Korf in Lloydia, 14, p. 163, 1952. (Syn. Peziza candido-fulva Schweinitz)

cornuta (Ellis) Korf in Lloydia, 14, p. 158,

1952. (Syn. Peziza cornuta Ellis).

eriobasis (Berk.) Korf in Lloydia, 14, p. 167, 1952. (Syn. Peziza eriobasis Berk.).

fitzpatrickii Korf in Lloydia, 14, 168, 1952 on rotten wood.—New York, U.S.A.

major (Ellis & Everhart) Korf in Lloydia, 14, p. 164, 1952. (Syn. Helotiella major Ellis & Everhart).

trabinelloides (Rehm) Korf in Lloydia, 14, p. 169, 1952. (Syn. Helotium trabinelloides Rehm).

Armillaria zelleri Stuntz & Smith in A. H. Smith, Mushrooms in their Natural Habitats, p. 351, 1949.—Washington State, U.S.A.

Armillariella alachuana (Murr.) Singer in Lilloa, 22, p. 216, 1951. (Syn. Clitocybe alachuana Murr.).

azalearum (Murr.) Singer in Lilloa, 22, p. 216, 1951. (Syn. Clitocybe azalearum Murr.). ditopa Singer in Schweiz. Z. Pilzk. Bern, 28,

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hymenocephala (Sm. & Hesl.) Singer in Lilloa, 22, p. 217, 1951. (Syn. Hygrophorus hymenocephalus Sm. & Hesl.).

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puiggarii (Speg.) Singer in Lilloa, 22, p.

216, 1951. (Syn. not cited).

- singularis (Hoehnel) Singer in Lilloa, 22, p. 216, 1951. (Syn. Aeruginospora singularis Hoehn.).

Arthrinium curvatum Kunze ex Fr. var. minus M. B. Ellis in Trans. Brit. mycol. Soc., 34, p. 501, 1951 on dead Scirpus tabernae-montanus.—England.

Arthrobotrys robusta Duddington in Trans. Brit. mycol. Soc., 34, p. 598, 1951 on nema-

todes.—England.

Ascochyta abutilonicola Massenot in Rev. Path. Vég., 30, p. 206, 1951 on Abutilon striatum.—France.

lomatii W. B. Cooke in Mycologia, 44, p. 250, 1952 on Lomatium grayi.—Washington,

- paeoniae Massenot in Rev. Path. Vég., 30, p. 208, 1951 on Paeonia officinalis.—France.

trachelospermi Fabricatore in Ann. Sper. agr., N.S. 5, p. 1445, 1951 on Trachelospermum (Rhynchospermum) jasminoides.—Italy.

Asterina aburiensis Hughes in Mycol. Pap. C.M.I., 48, p. 7, 1952 on Loranthus.—Gold

- baphiae Hughes in Mycol. Pap., C.M.I., 48, p. 8, 1952 on Baphia nitida.—Gold Coast.

cissi Hughes in Mycol. Pap., C.M.I., 48, p. 10, 1952 on Cissus oreophila.—Gold Coast.

-disseminata Syd. var. cleistopholidis Hughes in Mycol. Pap., C.M.I., 48, p. 11, 1952 on Cleistopholis patens.—Gold Coast. homaliicola Hughes in Mycol. Pap., C.M.I.,

48, p. 13, 1952 on Homalium dolichophyllum. -Gold Coast.

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scruposa Syd. var. longipoda Hughes in Mycol. Pap., C.M.I., 48, p. 15, 1952 on Tetracera alnifolia.—Gold Coast.

tragiae Hughes in Mycol. Pap., C.M.I., 48, p. 17, 1952 on Tragia spathulata.—Gold Coast. Asterinella ixoricola Hughes in Mycol. Pap.,

C.M.I., 48, p. 18, 1952 on Ixora.—Gold Coast.

Asterophora parasitica (Bull. ex Fr.) Singer in Lilloa, 22, p. 171, 1951. (Syn. Nyctalis parasitica (Bull. ex Fr.) Fr.).

Asterostromella duriuscula (Berk. & Br.) Talbot in Bothalia, 6, p. 51, 1951. (Syn. Stereum duriusculum Berk. & Br.).

Bagnisiopsis qualeae (Chard.) Petrak in Sydowia, 5, p. 232, 1951. (Syn. Ellisiodothis qualeae Chard.).

Balladynopsis entebbeensis (Hansf.) Petrak in Sydowia, 5, p. 428, 1951. (Syn. Ballady-

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- javanica (v. Höhn.) Boedijn in Sydowia, 5, p. 211, 1951. (Syn. Agyriopsis javanica v.

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Blastotrichum chowdhuryi Pant in Indian Phytopathology, 3, p. 180, 1951 on Trichosanthes dioica.—India.

Bolbitius aleuriatus (Fr.) Singer in Lilloa, 22, p. 490, 1951. (Syn. Pluteolus aleuriatus (Fr.)

Boletellus lepidospora Gilbert var. obscurior Heinemann in Bull. Jard. bot. Brux., 21, p. 295, 1951.—Belgian Congo.

longipes Heinemann in Bull. Jard. bot. Brux., 21, p. 292, 1951.—Belgian Congo. purpurascens Heinemann in Bull. Jard.

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Boletochaete calocystis Heinemann & Goossens apud Heinemann in Bull. Jard. bot. Brux., 21, p. 284, 1951.—Belgian Congo.

goossensii (Beeli) Heinemann in Bull. Jard. bot. Brux., 21, p. 281, 1951. (Syn. Boletus goossensii Beeli).

Boletus congoensis (Beeli) Heinemann in Bull. Jard. bot. Brux., 21, p. 331, 1951. (Syn. Boletus bovinus Fr. var. congoensis Beeli).

sibiricus (Singer) A. H. Smith, Mushrooms in their Natural Habitats, p. 220, 1949. (Syn. Ixocomus sibiricus Singer)

Botryobasidium album (Dastur) Venkatarayan in Indian Phytopathology, 3, p. 81, 1950. (Syn. Pellicularia alba Dastur). rolfsii (Sacc.) Venkatarayan in Indian

Phytopathology, 3, p. 82, 1950. (Syn. Sclerotium rolfsii Sacc.).

- salmonicolor (Berk. & Br.) Venkatarayan in Indian Phytopathology, 3, p. 82, 1950. (Syn. Corticium salmonicolor Berk. & Br.).

Brettanomyces custersii Florenzano in Ric. sci., 20, p. 1498, 1950 from wine.—Italy.

Callistosporium terrigenum Singer Schweiz. Z. Pilzk. Bern, 28, p. 192, 1950.-Argentine.

Calocybe fibrillosa Singer in Schweiz. Z. Pilzk. Bern., 28, p. 192, 1950.—Argentine. gambosa (Fr.) Singer in Lilloa, 22, p. 168,

1951. (Syn. Tricholoma gambosum (Fr.) Gill.). Camarosporium capparidis Ahmad in Sy-

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Cantharellula coprophila (Speg.) Singer in Lilloa, 22, p. 239, 1951. (Syn. Clitocybe coprophila Speg.). -felloides (Kauffm.) Singer in Lilloa, 22,

238, 1951. (Syn. Clitocybe felloides p. 238, Kauffm.).

- intermedia (Kauffm.) Singer in Lilloa, 22, p. 238, 1951. (Syn. Clitocybe intermedia Kauffm.).

umbrosa (A. H. Smith & Walter) Singer in Lilloa, 22, p. 238, 1951. (Syn. Tricholoma

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Cantharellus lateritius (Berk.) Singer in Lilloa, 22, p. 729, 1951. (Syn. Craterellus lateritius Berk.).

- odoratus (Schwein.) Singer in Lilloa, 22, p. 729, 1951. (Syn. Craterellus odoratus Schwein.).

CASHIELLA Petrak in Sydowia, 5, p. 371, 1951.—Discomycetes.

- atra Petrak in Sydowia, 5, p. 371, 1951 on Acomastylis turbinata.—Wyoming, U.S.A.

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Cerebella atriplicis da Camara in Agron. lusit., 13, p. 149, 1951 on Atriplex halimus. Portugal.

Cerotelium combreti Cummins in Bull. Torrey bot. Cl., 79, p. 213, 1952 on Combretum.—

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Chytridium sexuale Koch in J. Elisha Mitchell sci. Soc., 67, p. 267, 1951 on Vaucheria geminata.-N. Carolina, U.S.A.

stellatum (Petersen) Koch in J. Elisha

Mitchell sci. Soc., 67, p. 272, 1951. (Syn. Phlyctochytrium stellatum Petersen). Circosia transversalis (Syd.) Deighton apud Hughes in Mycol. Pap., C.M.I., 48, p.

1952. (Syn. Asterina transversalis Syd.). Cladosporium manoutchehrii Esfandiari in Sydowia, 5, p. 368, 1951 on Quercus atropatena.—Iran.

Clarkeinda trachodes (Berk.) Singer in Lilloa, 22, p. 413, 1951. (Syn. Agaricus trachodes Berk.).

Clathrospora multiseptata Müller in Sydowia, 5, p. 259, 1951 on Phleum alpinum.

Switzerland. Clitocybe alba (Bat.) Singer in Lilloa, 22, p. 186, 1951. (Syn. *C. nebularis* (Batsch. ex Fr.) Quél. var. alba Bat.).

strombodes (Berk. & Mont.) Singer in Lilloa, 22, p. 189, 1951. (Syn. Omphalia strombodes (Berk. & Mont.) Sacc.).

Clitopilus filifer (Speg.) Singer in Lilloa, 22, p. 607, 1951. (Syn. Pleurotus filifer Speg.). -septicoides (Henn.) Singer in Lilloa, 22, p. 606, 1951. (Syn. Pleurotus septicoides

p. 606, Henn.).

Coccodinium laricis W. B. Cooke & C. G. Shaw apud W. B. Cooke in Mycologia, 44, p. 252, 1952 on Larix occidentalis.—Idaho, U.S.A.

Coleosporium pertyae Miura apud Ito & Murayama in Trans. Sapporo nat. Hist. Soc., 17, p. 165, 1943 on Pertya glabrescens.—Japan.

- sidae Sanwal in Sydowia, 5, p. 385, 1951 on Sida.—India.

Coleroa boukokoensis Saccas in Rev. Path. Vég., 30, p. 164, 1951 on Zea mays.—French Equatorial Africa.

- maydicola Saccas in Rev. Path. Vég., 30, p. 162, 1951 on Zea mays.—French Equatorial Africa.

Colletotrichopsis luffae Batista in Bol. Agric., Pernambuco, 17, p. 7, 1950 on Luffa acutangula.—Brazil.

Colletotrichum acaciae de Urries in An. Jard. bot. Madr., 10, p. 200, 1952 on Acacia cuninghami.—Spain.

gymnocladi de Urries in An. Jard. bot. Madr., 10, p. 203, 1952 on Gymnocladus canadensis.—Spain.

- mahoniae Fabricatore in Boll. Staz. Pat. Veg. Roma, Ser. 3, 6, p. 139, 1950 on Mahonia aquifolium.—Italy.

Collybia anthracophila Dennis in Trans. Brit. mycol. Soc., 34, p. 441, 1951.—Trinidad. - brasiliensis (Berk. & Mont.) Dennis in Trans. Brit. mycol. Soc., 34, p. 450, 1951. (Syn. Marasmius brasiliensis Berk. & Mont.).

brunneosetosa Dennis in Trans. Brit. mycol. Soc., 34, p. 443, 1951.—Trinidad. - brunneoumbonata Dennis in Trans. Brit.

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— var. harrisii (Murrill) Dennis in *Trans.* Brit. mycol. Soc., **34**, p. 449, 1951. (Syn. Marasmius harrisii Murrill).

gilya (Pat.) Singer in Lilloa, 22, p. 201,

1951. (Syn. Marasmius gilvus Pat.). hirtella (Berk. & Broome) Dennis in Trans.

Brit. mycol. Soc., 34, p. 444, 1951. (Syn. Marasmius hirtellus Berk. & Broome).

johnstoni (Murrill) Dennis in Trans. Brit. mycol. Soc., 34, p. 437, 1951. (Syn. Maras-

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-longicystis (Heim) Dennis in Trans. Brit. mycol. Soc., 34, p. 454, 1951. (Syn. Mycena (Hemimycena) longicystis Heim).

margarita (Murr.) Singer in Lilloa, 22, p. 201, 1951. (Syn. Melanoleuca margarita

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murrilliana Singer nom. nov. in Lilloa, 22, p. 201, 1951. (Syn. Melanoleuca maculata Murr., non C. maculata (Fr.) Quél.).

mycenoides Dennis in Trans. Brit. mycol. Soc., 34, p. 439, 1951.—Trinidad.

- nana (Massee) Dennis in Trans. Brit. mycol. Soc., 34, p. 452, 1951. (Syn. Marasmius nanus Massee).

naranjana Dennis in Trans. Brit. mycol.

Soc., 34, p. 439, 1951.—Trinidad.

nivea (Mont.) Dennis in Trans. Brit. mycol. Soc., 34, p. 435, 1951. (Syn. Marasmius niveus Mont.).

var. cohortalis (Berk.) Dennis in Trans. Brit. mycol. Soc., 34, p. 435, 1951. (Syn.

Marasmius cohortalis Berk.).

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fulgens (Favre & Maire) Singer in Lilloa, 22, p. 561, 1951. (Syn. Naucoria fulgens Favre & Maire).

hybridus (Fr. ex Fr.) Singer in Lilloa, 22, p. 561, 1951. (Syn. Flammula sapinea var.

hybrida (Fr.) Konr. & Maubl.).

- imperialis (Speg.) Singer in Lilloa, 22, p. 561, 1951. (Syn. Pholiota imperialis Speg.).

-intermedius (Singer) Singer in Lilloa, 22, p. 560, 1951. (Syn. Pholiota intermedia Singer).

- janthinosarx (Singer) Singer in Lilloa, 22, p. 560, 1951. (Syn. Fulvidula janthinosarx Singer).

luteofolius (Peck) Singer in Lilloa, 22, p. 560, 1951. (Syn. Pholiota luteofolia (Peck) Sacc.).

- microsporus (Singer) Singer in Lilloa, 22, 🔎 p. 561, 1951. (Syn. Fulvidula microspora Singer).

- pampeanus (Speg.) Singer in Lilloa, 22, p. 561, 1951. (Syn. Pholiota pampeana (Speg.) Murr.).

- pseudocamerina Singer nom. nov. in Lilloa, 22, p. 572, 1951. (Syn. Galerina camerina sensu Quel., Kühner, non Agaricus camerinus Fr.)

punctifolius (Peck) Singer in Lilloa, 22, p. 561, 1951. (Syn. Cortinarius punctifolius Peck).

purpuratus (Cooke & Massee sensu Cleland) Singer in Lilloa, 22, p. 561, 1951. (Syn. Agaricus purpuratus Cooke & Massee).

spectabilis (Fr.) A. H. Smith, Mushrooms in their Natural Habitats, p. 471, 1949. (Syn. Agaricus spectabilis Fr.).

suberis (Maire) Singer in Lilloa, 22, p. 561, 1951. (Syn. Pholiota suberis Maire).

tonkinensis (Pat.) Singer in Lilloa, 22, p. 561, 1951. (Syn. Tubaria tonkinensis Pat.). zenkeri (Henn.) Singer in Lilloa, 22, p. 561,

1951. (Syn. Flammula zenkeri Henn.), Gyrodon africanus (Cooke & Massee) Singer

in Lilloa, 22, p. 648, 1951. (Syn. Campbellia africana Cooke & Massee).

lignicola (Kallenbach) Heinemann in Bull. Jard. bot. Brux., 21, p. 238, 1951. (Syn. Boletus lignicola Kallenbach).

Gyroporus castaneus (Fr.) Quél. var. congolensis Heinemann in Bull. Jard. bot. Brux., 21, p. 231, 1951.—Belgian Congo.

castaneus var. microsporus Heinemann in Bull. Jard. bot. Brux., 21, p. 232, 1951.— Belgian Congo.

heterosporus Heinemann in Bull. Jard. bot. Brux., 21, p. 230, 1951.—Belgian Congo.

- laetus Heinemann in Bull. Jard. bot. Brux., 21, p. 235, 1951.—Belgian Congo.

- luteopurpureus (Beeli) Heinemann in Bull. Jard. bot. Brux., 21, p. 236, 1951. (Syn. Boletus luteopurpureus Beeli).

- reticulatus Heinemann in Bull. Jard. bot. Brux., 21, p. 234, 1951.—Belgian Congo.

Hebeloma dasypus (Romagn.) Singer in Lilloa, 22, p. 538, 1951. (Syn. Naucoria dasypus Romagn.).

petrakii (Hruby) Singer in Lilloa, 22, p. 538, 1951. (Syn. Naucoria petrakii Hruby). HEIMIELLA Boedijn in Sydowia, 5, p. 216,

1951.—Boletaceae.

retispora (Pat. & Baker) Boedijn in Sydowia, 5, p. 217, 1951. (Syn. Boletus retisporus Pat. & Baker).

Heimiomyces fulvipes (Murr.) Singer in Lilloa, 22, p. 370, 1951. (Syn. Gymnopus fulvipes Murr.).

Helicogloea parasitica Olive in Mycologia, 43, p. 677, 1952 in Exidia glandulosa.— Louisiana, U.S.A.

Helminthosporium iranicum Esfandiari in Sydowia, 5, p. 369, 1951 on Indigofera.

pseudotsugae W. B. Cooke in Mycologia, 44, p. 251, 1952 on Pseudotsuga taxifolia var. glauca.—Idaho, U.S.A.

-stilbaceum (Moreau) Hughes in Mycol. Pap., C.M.I., 48, p. 38, 1952. (Syn. Cercospora palmicola Speg. forma stilbacea Moreau).

Hemileia mandevillae Cummins & Gopal-krishnan apud Cummins in Bull. Torrey bot. Cl., 79, p. 214, 1952 on Mandevilla.—Kenya.

Hendersonia cisti da Camara in Agron. lusit., 13, p. 145, 1951 on Cistus ladaniferus.—

Portugal.

-dothidellae Petrak nom. nov. in Sydowia, 5, p. 421, 1951. (Syn. Hendersonula australis Speg. non Hendersonia australis Tassi).

- ilicina Bausá Alcalde in An. Jard. bot. Madr., 10, p. 254, 1952 on Ilex aquifolium.

-maydis Saccas in Rev. Path. Vég., 30, p. 174, 1951 on Zea mays.—French Equatorial

HENDERSONULINA Petrak [non Tassi, 1902] in Sydowia, 5, p. 421, 1951. Sphaeropsidales.

astragalina (Petrak) Petrak in Sydowia, 5, p. 122, 1951. (Syn. Hendersonula astragalina

Petrak). Hercospora concinna Petrak in Sydowia, 5, p. 233, 1951 on dead Quercus.—Georgia, U.S.A.

Hirneola nigricans (Sw. ex Fr.) Donk in Reinwardtia, 1, p. 498, 1952. (Syn. Peziza

nigricans (Sw. ex Fr.)). Hirsutella stylophora Mains in Mycologia, 43, p. 702, 1952 on larvae; state of Cordyceps

stylophora Berk. & Br.—Michigan, U.S.A. Hohenbuehelia alachuana (Murr.) Singer in Lilloa, 22, p. 255, 1951. (Syn. Geopetalum alachuanum Murr.).

-angustata (Berk.) Singer in Lilloa, 22, p. 255, 1951. (Syn. Panus angustatus Berk.).

approximans (Peck) Singer in Lilloa, 22, p. 255, 1951. (Syn. Pleurotus approximans Peck).

- arata (Pat. & Dem.) Singer in Lilloa, 22, p. 255, 1951. (Syn. Calathinus aratus Pat. &

- atrocaerulea (Fr.) Singer in Lilloa, 22, p. 255, 1951. (Syn. Pleurotus atrocaeruleus (Fr.) Quél.).

- auriscalpium (Maire) Singer in Lilloa, 22, p. 255, 1951. (Syn. Pleurotus auriscalpium Maire).

- calceola (Pat. & Dem.) Singer in Lillog, 22. p. 255, 1951. (Syn. Calathinus calceolus Pat. & Dem.).

- cinereoalba (Pat. & Dem.) Singer in Lilloa, 22, p. 255, 1951. (Syn. Pleurotus cinereoalbus Pat. & Dem.).

- crustosa (Coker) Singer in Lilloa, 22, p. 255, 1951. (Syn. Pleurotus crustosus Coker). cubensis (Murr.) Singer in Lilloa, 22, p. 255.

1951. (Syn. Geopetalum cubense Murr.). elegans (Coker) Singer in Lilloa, 22, p. 255,

1951. (Syn. Pleurotus elegans Coker) geogenius (DC. ex Fr.) Singer in Lilloa, 22,

p. 255, 1951. (Syn. Pleurotus geogenius (DC. ex Fr.) Gill.).

grisea (Peck) Singer in Lilloa, 22, p. 255, 1951. (Syn. Pleurotus griseus Peck).

- harmandii (Hariot & Pat.) Singer in Lilloa, 22, p. 255, 1951. (Syn. Pleurotus harmandii Har. & Pat.).

myxotricha (Lév.) Singer in Lilloa, 22, p. 255, 1951. (Syn. Pleurotus myxotrichus Lév.).

nigra (Schwein.) Singer in Lilloa, 22, p. 256, 1951. (Syn. Agaricus niger Schwein.).

phalligera (Mont.) Sacc. in Lilloa, 22, p. 256, 1951. (Syn. Agaricus phalligerus Mont.). portegna (Speg.) Singer in Lilloa, 22, p. 256,

1951. (Syn. Pleurotus portegnus Speg.). pruinosula (Pat. & Dem.) Singer in Lilloa, 22, p. 256, 1951. (Syn. Calathinus pruino-

sulus Pat. & Dem.).

reniformis (Fr.) Singer in Lilloa, 22, p. 255, 1951. (Syn. Agaricus reniformis Fr. sensu Pilát).

- sciadea (Kalchbr. & McO.) Singer in Lilloa, **22**, p. 256, 1951. (Syn. *Pleurotus sciadeus* Kalchbr. & McO.).

semiinfundibuliformis (Karst.) Singer in Lilloa, 22, p. 255, 1951. (Syn. Pleurotus semiinfundibuliformis Karst.).

- serotina (Schrader ex Fr.) Singer in *Lilloa*, 22, p. 254, 1951. (Syn. *Pleurotus serotinus* (Schrad. ex Fr.) Quél.).

- subbarbata (Berk. & Curt.) Singer in Lilloa, 22, p. 255, 1951. (Syn. Pleurotus subbarbatus (Berk. & Curt.) Sacc.).

-submastrucata (Henn.) Singer in Lilloa, 22, p. 256, 1951. (Syn. Pleurotus submastrucatus Henn.).

valesiaca (Ces. apud Rab.) Singer in Lilloa,

22, p. 256, 1951. (Syn. Pleurotus valesiacus (Cesati) Sacc.). Humaria appendiculata (P. Henn.) Boedijn

in Sydowia, 5, p. 212, 1951. (Syn. Lachnea appendiculata P. Henn.).

Hydnum diabolus (Banker) A. H. Smith, Mushrooms in their Natural Habitats, p. 227, 1949. (Syn. Hydnellum diabolus Banker).

Hydropus arenarius (A. H. Smith) Singer in Lilloa, 22, p. 350, 1951. (Syn. Mycena arenaria A. H. Smith).

-taxodii (Murr.) Singer in Lilloa, 22, p. 350,

1951. (Syn. Mycena taxodii Murr.). umbrinus (A. H. Smith) Singer in Lilloa, 22, p. 350, 1951. (Syn. Mycena umbrina A. H. Smith).

Hygrocybe acutoconica (Clements in Woods) Singer in Lilloa, 22, p. 153, 1951. (Syn.

Mycena acutoconica Clem.).

- flavescens (Kauffm.) Singer in Lilloa, 22, p. 154, 1951. (Syn. Hygrophorus puniceus var. flavescens Kauffm.).

flavifolia (Sm. & Hesl.) Singer in Lilloa, 22, p. 154, 1951. (Syn. Hygrophorus flavifolius Sm. & Hesl.).

fornicata (Fr.) Singer in Lilloa, 22, p. 152, 1951. (Syn. Hygrophorus fornicatus Fr.)

- huronensis (Sm. & Hesl.) Singer in Lilloa, 22, p. 153, 1951. (Syn. Hygrophorus huronensis Sm. & Hesl.).

laetissima (Sm. & Hesl.) Singer in Lilloa. 22, p. 153, 1951. (Syn. Hygrophorus laetissimus Sm. & Hesl.).

- marchii (Bres.) Singer in Lilloa, 22, p. 153, 1951. (Syn. Hygrophorus marchii Bres.). - quieta (Kühner) Singer in Lilloa, 22, p. 152,

1951. (Syn. Hygrophorus quietus Kühner). Hygrophorus olivaceonitens (Singer) Singer

in Lilloa, 22, p. 146, 1951. (Syn. Limacium olivaceonitens Singer).

Hypoxylon calyptra Batista in Bol. Agric., Pernambuco, 17, p. 61, 1950 on bark. Brazil.

vitalii Batista in Bol. Agric., Pernambuco,

17, p. 62, 1950 on bark.—Brazil.

Hypsizygus circinatus Singer nom. nov. in Lilloa, 22, p. 180, 1951. (Syn. Clitocybe circinata sensu Singer, non Karst.).

Inocybe cystidiosa (A. H. Smith) Singer in Lilloa, 22, p. 534, 1951. (Syn. Tricholoma cystidiosum A. H. Smith).

felipponei (Speg.) Singer in Lilloa, 22, p. 534, 1951. (Syn. Collybia felipponei Speg.)

- mariluanensis (Speg.) Singer in Lilloa, 22, p. 534, 1951. (Syn. Naucoria mariluanensis Speg.).

- pernivosa (Murr.) Singer in Lilloa, 22, p. 534, 1951, (Syn. Entoloma pernivosum Murr.).

- petchii Boedijn nom. nov. in Sydowia, 5, p. 223, 1951. (Syn. I. umbonata Petch non Quél.).

- praefarinacea (Murr.) Singer in Lilloa, 22, p. 534, 1951. (Syn. Hebeloma praefarinaceum Murr.).

- praevillosa (Murr.) Singer in Lilloa, 22, p. 534, 1951. (Syn. Lepista praevillosa Murr.).

Irenopsis sidae (Rehm) Hughes in Mycol. Pap., C.M.I., 48, p. 44, 1952. (Syn. Meliola sidae Rehm)

var. hibisci (Hansf.) Hughes in Mycol. Pap., C.M.I., 48, p. 44, 1952. (Syn. I. coronata (Speg.) Stev. var. hibisci Hansf.).

Ischnochaeta baeumleri (P. Magnus) Sawada in Bull. Govt. Forest Exp. Sta., Tokyo, 50, p. 112, 1951. (Syn. Microsphaera baeumleri P. Magn.).

- desmodii (P. Henn.) Sawada in Bull, Govt. Forest Exp. Sta., Tokyo, 50, p. 113, 1951. (Syn. Erysiphe pisi DC. var. desmodii P.

Henn.).

elsholtziae Sawada in Bull. Govt. Forest Exp. Sta., Tokyo, 50, p. 112, 1951 on Elsholtzia

patrini.-Japan.

heraclei (DC.) Sawada in Bull. Govt. Forest Exp. Sta., Tokyo, 50, p. 113, 1951. (Syn. Erysiphe heraclei DC.)

— pileae Sawada in Bull, Govt. Forest Exp. Sta., Tokyo, 50, p. 114, 1951 on Pilea petiolaris.—

— viciae-unijugae (Homma) Sawada in Bull. Govt. Forest Exp. Sta., Tokyo, 50, p. 115, 1951. (Syn. Microsphaera viciae-unijugae Homma).

Krombholzia excedens Heinemann & Goossens apud Heinemann in Bull. Jard. bot. Brux., 21, p. 327, 1951.—Belgian Congo.

porphyreus Heinemann in Bull. Jard. bot. Brux., 21, p. 330, 1951.—Belgian Congo.

Kuehneromyces nudus Singer in Schweiz. Z. Pilzk. Bern, 28, p. 194, 1950 on dead branches of Boehmeria caudata.-Argentine.

vinicolor (Pat.) Singer in Lilloa, 22, p. 519, 1951. (Syn. Flammula vinicolor Pat.).

Laboulbenia bembidio-palpi Benjamin in Amer. J. Bot., 39, p. 125, 1952 on Bembidion picipes.—Illinois, U.S.A.

odobena Benjamin in Amer. J. Bot., 39, p. 126, 1952 on Bembidion picipes.—Illinois,

U.S.A.

- tapirina Benjamin in Amer. J. Bot., 39, p. 126, 1952 on Bembidion picipes.—Illinois, U.S.A.

Laccaria altaica Singer nom. nov. in Lilloa, 22, p. 176, 1951. (Syn. L. striatula sensu Singer, non Peck).

gruberi (A. H. Smith) Singer in Lilloa, 22, p. 176, 1951. (Syn. Clitocybe gruberi A. H.

Smith).

Lachnella tiliae (Peck) Donk apud Singer in Lilloa, 22, p. 345, 1951. (Syn. Peziza tiliae

villosa (Pers. ex Fr.) Donk apud Singer in Lilloa, 22, p. 345, 1951. (Syn. Peziza villosa Pers.).

Lamprospora verruculosa (Berk. & Br.) Boedijn in Sydowia, 5, p. 211, 1951. (Syn. Peziza verruculosa Berk. & Br.).

Lentinellus americanus (Peck) Singer in Lilloa, 22, p. 245, 1951. (Syn. Lentinus americanus Peck).

umbilicatus (Peck) Singer in Lilloa, 22, p. 245, 1951. (Syn. Lentinus umbilicatus Peck).

Lepiota molybdites (G. Meyer ex Fr.) Sacc. var. marginata A. H. Smith, Mushrooms in their Natural Habitats, p. 429, 1949.—U.S.A.

pseudovolvulata (Höhn.) Singer in Lilloa, 22, p. 443, 1951. (Syn. Micropsalliota pseudovolvulata Höhn.).

- sulcata Locquin in Bull. mens. Soc. linn. Lyon., 20, p. 155, 1951.—France.

Lepista argentina (Speg.) Singer in Lilloa, 22, p. 193, 1951. (Syn. Tricholoma argentinum

Speg.).

caespitosa (Bres.) Singer in Lilloa, 22, p. 192, 1951. (Syn. Tricholoma paneolus var. caespitosus Bres.).

- caffrorum (Kalchbr. & McOwan) Singer in Lilloa, 22, p. 192, 1951. (Syn. Tricholoma caffrorum Kalchbr. & McOwan).

glabella (Speg.) Singer in Lilloa, 22, p. 192, 1951. (Syn. Clitopilus glabellus Speg.).

harperi (Murr.) Singer in Lilloa, 22, p. 192, 1951. (Syn. Melanoleuca harperi Murr.). lactescens (Pat.) Singer in Lilloa, 22, p. 192,

1951. (Syn. Tricholoma lactescens Pat.). -luscina (Fr.) Singer in Lilloa, 22, p. 192,

1951. (Syn. Agaricus luscinus Fr.) praemagna (Murr.) Singer in Lilloa, 22, p. 192, 1951. (Syn. Melanoleuca praemagna Murr. sensu Overholts).

sordida (Fr.) Singer in Lilloa, 22, p. 193,

1951. (Syn. Agaricus sordidus Fr.). subaequalis (Britz.) Singer in Lilloa, 22,
 p. 192, 1951. (Syn. Agaricus subaequalis Britz.).

Leptosphaeria caucana Petrak in Sydowia, 5, p. 244, 1951 in Phyllachora.—Colombia.

jaceae Holm in Svensk bot. Tidskr., 46, p. 35, 1952 on dead Centaurea jacea.—Sweden.

- lavandulae da Camara in Agron. lusit., 13, p. 126, 1951 on Lavandula stoechas.-Portugal.

- macrotheca (Rostr.) Holm in Svensk bot. Tidskr., 46, p. 38, 1952. (Syn. Metasphaeria macrotheca Rostr.).

- papillosa da Camara in Agron. lusit., 13, p. 127, 1951 on Oryzopsis miliacea.—Por-

tugal.

- zeae-maydis Saccas in Rev. Path. Vég., 30, . 179, 1951 on dead Zea mays.—French Equatorial Africa.

- zeicola Saccas in Rev. Path. Vég., 30, p. 176, 1951 on Zea mays.—French Equatorial

Africa.

Leptotus tremulus (Schaeff. ex Fr.) Singer in Lilloa, 22, p. 735, 1951. (Syn. Pleurotus tremulus (Schaeff. ex Fr.) Quél.).

Leucoagaricus confusus (Rick) Singer in Lilloa, 22, p. 422, 1951. (Syn. Lepiota con-

fusa Rick)

- meleagris (Sow. ex Fr.) Singer in Lilloa, 22, p. 422, 1951. (Syn. Agaricus meleagris Sow. ex Fr.).
- olivaceus (Kauffm.) Singer in Lilloa, 22, p. 422, 1951. (Syn. Lepiota olivacea Kauffm.).
- rubrosquamosus (Rick) Singer in Lilloa, 22, p. 422, 1951. (Syn. Lepiota rubrosquamosa Rick).
- sublittoralis (Kühner) Singer in Lilloa, 22, p. 422, Kühner). 422, 1951. (Syn. Lepiota sublittoralis

Leucocoprinus denudatus (Rab.) Singer in Lilloa, 22, p. 424, 1951. (Syn. Agaricus denudatus Rab.).

dolichaulus (Berk. & Br.) Boedijn in Sydowia, 5, p. 221, 1951. (Syn. Lepiota dolichaula Berk. & Br.) [Comb. made by Pat. in 1913].

- magnusianus (Henn. apud Rab.) Singer in Lilloa, 22, p. 424, 1951. (Syn. Lepiota mag-

nusiana Henn. apud Rab.)

- melanoloma (Singer) Singer in Lilloa, 22, p. 424, 1951. (Syn. Hiatula melanoloma Singer).

Leucopaxillus gracillimus Sing. & Sm. var. rappii (Murr.) Singer in Lilloa, 22, p. 242, 1951. (Syn. Clitocybe rappii Murr.).

LINDERINA Raper & Fennell in Amer. J. Bot., 39, p. 81, 1952.—Kickxellaceae.

- pennispora Raper & Fennell in Amer. J. Bot., 39, p. 83, 1952 from soil.—Liberia.

Lopharia dregeana (Berk.) Talbot in Bothalia, 6, p. 57, 1951. (Syn. Corticium dregeanum Berk.).

Lyophyllum favrei Haller & Haller forma ochraceum Haller in Schweiz. Z. Philzk. Bern, **30,** p. 43, 1952.—Switzerland.

Macrocystidia carnelpes (Speg.) Singer in Lilloa, 22, p. 308, 1951. (Syn. Omphalia carneipes Speg.).

Macrolepiota bonaerensis (Speg.) Singer in Lilloa, 22, p. 417, 1951. (Syn. Agaricus bonaerensis Speg.)

kerandi (Speg.) Singer in Lilloa, 22, p. 417, 1951. (Syn. Lepiota kerandi Speg.).

-mastoidea (Fr.) Singer in Lilloa, 22, p. (Syn. Lepiota mastoidea (Fr.) 417, 1951. Quél.).

- rachodes (Vitt.) Singer in Lilloa, 22, p. 417, 1951. (Syn. Lepiota rachodes Vitt.).

Macrophoma negundinis Ribaldi in Ann. Fac. Agr. Perugia, 5, p. 6, 1948 on Acer negundo.—Italy.

Macrophomina phaseolina (Tassi) Goidanich in Boll. Staz. Pat. Veg. Roma, Ser. 3, 5, p. 63, 1950. (Syn. Macrophoma phaseolina Tassi). Marasmiellus acicula (Schaeff. ex Fr.) Singer in Lilloa, 22, p. 301, 1951. (Syn. Mycena acicula (Fr.) Quél.).

adonis (Bull. ex Fr.) Singer in Lilloa, 22, p. 301, 1951. (Syn. Mycena adonis (Fr.) Quél.).

albidus (Murr.) Singer in Lilloa, 22, p. 298, 1951. (Syn. Gymnopus albidus Murr.).

albus (Bres.) Singer in Lilloa, 22, p. 302, 1951. (Syn. Omphalia alba Bres.).

- albus-corticis (Secr.) Singer in Lilloa, 22, p. 300, 1951. (Syn. Agaricus albus corticus Secr.).

angustisporus (Josserand) Singer in Lilloa, 22, p. 298, 1951. (Syn. Omphalia angusti-

spora Joss.).

atropapillatus (Kühner & Maire) Singer in Lilloa, 22, p. 302, 1951. (Syn. Mycena atropapillata Kühn. & Maire).

buccinulus (Speg.) Singer in Lilloa, 22, p. 299, 1951. (Syn. Clitocybe buccinula Speg.).

camptophyllus (Berk.) Singer in Lilloa, 22, p. 302, 1951. (Syn. Omphalia camptophylla (Berk.) Sacc.).

candidus (Bres.) Singer in Lilloa, 22, p. 299, 1951. (Syn. Omphalia candida Bres.)

cephalotrichus (Josserand) Singer in Lilloa, 22, p. 298, 1951. (Syn. Omphalia cephalotricha Joss.).

crispatus (Kühn.) Singer in Lilloa, 22, p. 299, 1951. (Syn. Mycena crispata Kühn.).

crispulus (Quél. sensu Kühner) Singer in Lilloa, 22, p. 298, 1951. (Syn. Omphalia crispula Quél.).

delectabilis (Peck sensu A. H. Smith) Singer in Lilloa, 22, p. 299, 1951. (Syn. Mycena delectabilis (Peck) Sacc.).

- delicatellus (Peck) Singer in Lilloa, 22, p. 298, 1951. (Syn. Collybia delicatella (Peck) Sacc.).

- drepanocladi (Singer) Singer in Lilloa, 22, p. 302, 1951. (Syn. Hemimycena drepanocladi

epibryus (Singer) Singer in Lilloa, 22, p. 298, 1951. (Syn. Hemimycena epibrya Sing.).

flavoalbus (Fr.) Singer in Lilloa, 22, p. 301, 1951. (Syn. Mycena flavoalba (Fr.) Quél.). floccipes (Fr.) Singer in Lilloa, 22, p. 301, 1951. (Syn. Collybia floccipes Fr. sensu Kauffm., Kühn.).

-floridulus (Fr.) Singer in Lilloa, 22, p. 301, 1951. (Syn. Mycena floridula (Fr.) Karst.).

gracilis (Quél. sensu Sacc.) Singer in Lilloa, 22, p. 299, 1951. (Syn. Omphalia gracilis Quél.).

gypseus (Fr. sensu Ricken) Singer in Lilloa, 22, p. 298, 1951. (Syn. Mycena gypsea (Fr.) Gill.).

- hiemalis (Osb. in Retz ex Fr. sensu Gillet) Singer in Lilloa, 22, p. 302, 1951. (Syn. Mycena hiemalis (Fr.) Quél.).

languidus (Lasch) Singer in Lilloa, 22, p. (Syn. Marasmius languidus 300, 1951. (Lasch) Fr.).

-leptophyllus (Peck) Singer in Lilloa, 22, 302, 1951. (Syn. Mycena leptophylla (Peck) Sacc.).

mairei (Gilbert) Singer in Lilloa, 22, p. 299, 1951. (Syn. Omphalia mairei Gilbert)

margaritifer (Maire apud Kühn.) Singer in Lilloa, 22, p. 302, 1951. (Syn. Mycena margaritifera Maire).

mauretanicus (Maire) Singer in Lilloa, 22, p. 298, 1951. (Syn. Omphalia mauretanica Maire).

- olidus (Bres.) Singer in Lilloa, 22, p. 302,

1951. (Syn. Mycena olida Bres.).

- opacus (Berk. & Curt.) Singer in Lilloa, 22, p. 300, 1951. (Syn. Marasmius opacus Berk. & Curt.).

- phaeophyllus (Kühn.) Singer in Lilloa, 22, p. 302, 1951. (Syn. Mycena phaeophylla Kühn.).

- pigmentatus (Bliss) Singer in Lilloa, 22, p. 300, 1951. (Syn. Omphalia pigmentata Bliss).

- pseudocrispulus (Kühn.) Singer in Lilloa, 22, p. 298, 1951. (Syn. Mycena pseudocrispula Kühn.).

-pseudogracilis (Kühn. & Maire) Singer in Lilloa, 22, p. 299, 1951. (Syn. Mycena pseudogracilis Kühn. & Maire).

- pseudolacteus (Kühn.) Singer in Lilloa, 22,

p. 298, 1951. (Syn. Mycena pseudolactea Kühn.). - pulchellus (Speg.) Singer in Lilloa, 22, p. 299, 1951. (Syn. Clitocybe pulchella Speg.)

- rickenii (A. H. Smith) Singer in Lilloa, 22, p. 298, 1951. (Syn. Mycena rickenii A. H.

Smith).

-roseipallens (Murr. sensu A. H. Smith) Singer in Lilloa, 22, p. 302, 1951. (Syn. Prunulus roseipallens Murr.).

- setipes (Fr. sensu Ricken) Singer in Lilloa, 22, p. 301, 1951. (Syn. Omphalia setipes (Fr.)

Ricken).

stuckertii (Speg.) Singer in Lilloa, 22, p. 299, 1951. (Syn. Omphalia stuckertii Speg.).

subalpinus (Hoehnel sensu Kühn.) Singer in Lilloa, 22, p. 301, 1951. (Syn. Mycena subalpina Hoehnel).

- substenophyllus (Murr.) Singer in Lilloa, 22, p. 299, 1951. (Syn. Marasmius substeno-

phyllus Murr.). trabutii (Maire) Singer in Lilloa, 22, p. 300,

1951. (Syn. Marasmius trabutii Maire). Marasmius arimana Dennis in Trans. Brit. mycol. Soc., 34, p. 418, 1951.—Trinidad.

- corbariensis (Roum.) Singer in Lilloa, 22, o. 325, 1951. (Syn. Agaricus corbariensis Roum.).

— cystidiophorus Dennis in Trans. Brit.
mycol. Soc., 34, p. 427, 1951.—Trinidad.
— elegantioides Batista in Bol. Agric. Per-

nambuco, 18, p. 186, 1952.—Brazil. graminum (Lib.) Berk. var. brevispora Dennis in Trans. Brit. mycol. Soc., 34, p. 416, 1951.—Trinidad.

var. equicrinis (Mueller) Dennis in Trans. Brit. mycol. Soc., 34, p. 416, 1951. (Syn. M. equicrinis Mueller apud Berk.).

haedinus Berk. forma brevispora Dennis in Trans. Brit. mycol. Soc., 34, p. 421, 1951.-Trinidad.

- var. minor Dennis in Trans. Brit. mycol. Soc., 34, p. 421, 1951.—Trinidad.

-leveilleanus (Berk.) Singer in Lilloa, 22, p. 325, 1951. (Syn. Heliomyces leveilleanus Berk.).

- plumieri (Lév.) Singer in Lilloa, 22, p. 326, 1951. (Syn. Heliomyces plumieri Lév.)

- pseudo-arachnoideus Dennis in Trans. Brit. mycol. Soc., 34, p. 425, 1951.—Trinidad. -rotuloides Dennis in Trans. Brit. mycol.

Soc., 34, p. 415, 1951.—Trinidad.

rubroflavus (Theiss.) Singer in Lilloa, 22, p. 326, 1951. (Syn. M. nummularius var. rubroflavus Theiss.).

-rubromarginatus Dennis in Trans. Brit. mycol. Soc., 34, p. 415, 1951.—Venezuela.

spinosissimus Singer in Schweiz. Z. Pilzk. Bern, 28, p. 193, 1950.—Argentine.

- subingratus Dennis in Trans. Brit. mycol. Soc., 34, p. 427, 1951.—Trinidad.

trichorhizus Speg. yar. aripoensis Dennis in Trans. Brit. mycol. Soc., 34, p. 417, 1951 .-Trinidad.

trinitatis Dennis in Trans. Brit. mycol. Soc.,

34, p. 425, 1951.—Trinidad.

Massaria sphaerelloidea Bausa Alcalde in An. Jard. bot. Madr., 10, p. 229, 1952 on Prunus, Pithecolobium polycephalum, and Fabricia laevigata.—Spain.

Massarina floridana Petrak in Sydowia, 5, p. 240, 1951 on dead Sabal palmetto.—Florida,

U.S.A.

Maublancomyces curtipes (Fr.) Herter in Rev. Sudamer. Bot., 10, p. 17, 1951. (Syn. Gyromitra curtipes Fr.).

-fastigiata (Krombh.) Herter in Rev. Sudamer. Bot., 10, p. 17, 1951. (Syn. Helvella fastigiata Krombh.).

- labyrinthica (Fr.) Herter in Rev. Sudamer. Bot., 10, p. 17, 1951. (Syn. Gyromitra labyrinthica Fr.).

suspecta (Krombh.) Herter in Rev. Sudamer. Bot., 10, p. 17, 1951. (Syn. Helvella suspecta Krombh.).

\*Melanconiopsis africana Luc in Rev. Mycologie, 16, Suppl. Col. No. 2, p. 120, 1951 on Cola vera. - Ivory Coast.

Melanoleuca russuloides (Murrill) Murrill in Mycologia, 44, p. 113, 1952. (Syn. Tricholoma russuloides Murrill).

Melanophyllum echinatum (Roth. ex Fr.) Singer in Lilloa, 22, p. 436, 1951. (Syn. Lepiota echinata Roth ex Fr.)

eyrei (Massee) Singer in Lilloa, 22, p. 436, 1951. (Syn. Chlorospora eyrei Massee)

Melanopsichium emodense (Berk.) Zundel in Fischer, The Smut Fungi, p. 25, 1951. (Syn. Ustilago emodensis Berk.).

Melanotus subvariabilis (Speg.) Singer in Lilloa, 22, p. 511, 1951. (Syn. Claudopus subvariabilis Speg.).

Meliola bougheyana Hughes in Mycol. Pap., C.M.I., 48, p. 46, 1952 on Macaranga huraefolia .- Gold Coast.

celtidiae Yates var. prantlii Hughes in Mycol. Pap., C.M.I., 48, p. 48, 1952 on Celtis prantlii.-Gold Coast.

hypselodelphidis Hughes in Mycol. Pap., C.M.I., 48, p. 51, 1952 on Hypselodelphis ?poggeana.—Gold Coast.

janeirensis Hansf. var. ricinodendri Hughes in Mycol. Pap., C.M.I., 48, p. 51, 1952 on Ricinodendron africanum.—Gold

pericampyli Yamamoto var. triclisiae Hughes in Mycol. Pap., C.M.I., 48, p. 55, 1952 on Triclisia subcordata.—Gold Coast.

popowiae Doidge var. cleistopholidis Hughes in Mycol. Pap., C.M.I., 48, p. 57, 1952 on Cleistopholis patens.—Gold Coast.

Meliolinopsis costaricensis (Stev.) Petrak in Sydowia, 5, p. 335, 1951. (Syn. Hyalomeliolina costaricensis Stev.).

guianensis (Stev.) Petrak in Sydowia, 5, p. 335, 1951. (Syn. Hyalomeliolina guianensis Stev.).

-irenicola (Doidge) Petrak in Sydowia, 5, p. 335, 1951. (Syn. Perisporium irenicolum Doidge).

meliolae (Stev.) Petrak in Sydowia, 5, p. 335, 1951. (Syn. Perisporium meliolae Stev.). - meliolicola (Syd.) Petrak in Sydowia, 5, p. 335, 1951. (Syn. Chaetosphaeria meliolicola Syd.).

\*Melomastia hyalostoma Luc in Rev. Mycologie, 16, Suppl. Col. No. 2, p. 107, 1951 on Cola vera .- Ivory Coast.

MENISPOROPSIS Hughes in Mycol. Pap., C.M.I., 48, p. 59, 1952.—Moniliales.

-theobromae Hughes in Mycol. Pap., C.M.I., 48, p. 59, 1952 on Theobroma cacao.-Gold Coast.

Merismodes fasciculata (Schw.) Donk apud Singer in Lilloa, 22, p. 345, 1951. (Syn. Cantharellus fasciculatus Schw.).

MICROBOTRYODIPLODIA da Camara in Agron. lusit., 13, p. 206, 1951.—Sphaeropsidales.

myopori da Camara in Agron. lusit., 13, p. 206, 1951 on Myoporum acuminatum. Portugal.

Micromphale convexa (Murrill) Dennis in Trans. Brit. mycol. Soc., 34, p. 459, 1951. (Syn. Omphalopsis convexa Murrill).

- irrorata (Pat.) Dennis in Trans. Brit. mycol. Soc., 34, p. 457, 1951. (Syn. Collybia irrorata Pat. apud Duss).

- lutea Dennis in Trans. Brit. mycol. Soc., 34,

p. 459, 1951.—Trinidad.

rheicolor (Berk.) Dennis in Trans. Brit. mycol. Soc., 34, p. 460, 1951. (Syn. Agaricus rheicolor Berk.)

- roriduliformis (Murrill) Dennis in Trans. Brit. mycol. Soc., 34, p. 460, 1951. (Syn. Omphalopsis roriduliformis Murrill).

- saccharophila (Speg.) Singer in Lilloa, 22, p. 305, 1951. (Syn. Omphalia saccharophila Speg.).

subavellanea (Murrill) Dennis in Trans. Brit. mycol. Soc., **34**, p. 458, 1951. (Syn. Heliomyces subavellaneus Murrill).

- subtranslucens Dennis in Trans. Brit. mycol. Soc., 34, p. 459, 1951.—Trinidad.

Microsphaera akebiae Sawada in Bull. Govt Forest Exp. Sta., Tokyo, 50, p. 116, 1951 on Akebia quinata & A. trifoliata.—Japan.

berchemiae Sawada in Bull. Govt Forest Exp. Sta., Tokyo, 50, p. 118, 1951 on Ber-

chemia racemosa.—Japan.

- helwingiae Sawada in Bull. Govt Forest Exp. Sta., Tokyo, 50, p. 119, 1951 on Helwingia japonica.-Japan.

- magnoliae Sawada in Bull. Govt Forest Exp. Sta., Tokyo, 50, p. 120, 1951 on Magnolia obovata.--Japan.

picrasmae Sawada in Bull. Govt Forest Exp. Sta., Tokyo, 50, p. 121, 1951 on Picrasma quasioides.—Japan.

querci Sawada in Bull. Govt Forest Exp. Sta., Tokyo, 50, p. 122, 1951 on Quercus serrata.

Japan.

schizandrae Sawada in Bull. Govt Forest Exp. Sta., Tokyo, 50, p. 123, 1951 on Schizandra nigra.—Japan.

staphyleae Sawada in Bull. Govt Forest Exp. Sta., Tokyo, 50, p. 124, 1951 on Staphy-

lea bumalda.--Japan.

Microstoma insititia (Berk. & Curt.) Boedijn in Sydowia, 5, p. 212, 1951. (Syn. Peziza institia Berk. & Curt.).

Mindeniella asymmetrica J. W. Johnson in Amer. J. Bot., 38, p. 74, 1951 on submerged fruits of Malus.—Michigan, U.S.A.

Mycena flavida (Maublanc & Rangel) Singer in Lilloa, 22, p. 357, 1951. (Syn. Omphalia flavida Maubl. & Rangel).

fuliginella A. H. Smith var. brevispora Dennis in Trans. Brit. mycol. Soc., 34, p. 466, 1951.—Trinidad.

marbleae (Murrill) Dennis in Trans. Brit. mycol. Soc., 34, p. 471, 1951. (Syn. Marasmius marbleae Murrill).

micropapillata Dennis in Trans. Brit. mycol. Soc., 34, p. 471, 1951.—Trinidad.
paraboliciformis Singer nom. nov.

Lilloa, 22, p. 359, 1951. (Syn. M. parabolica sensu Smith).

petiolorum (Berk. & Curt.) Dennis in Kew Bull., 1951, p. 402, 1952. (Syn. Marasmius petiolorum Berk. & Curt.).

pseudocrocata Dennis in Trans. Brit. mycol. Soc., 34, p. 465, 1951.—Venezuela.

theobromicola (Murrill) Dennis in Trans. Brit. mycol. Soc., 34, p. 470, 1951. Marasmius theobromicola Murrill).

trinitatis Dennis in Trans. Brit. mycol. Soc., 34, p. 467, 1951.—Trinidad.

umbilicata Dennis in Trans. Brit. mycol. Soc., 34, p. 469, 1951.—Trinidad. Mycenella salicina (Vel.) Singer in Lilloa, 22, p. 291, 1951. (Syn. Mycena salicina Vel.).

Mycosphaerella kakomensis Esfandiari in Sydowia, 5, p. 366, 1951 on an umbellifer.—

magnoliae (Ell.) Petrak in Sydowia, 5, p. 1951. (Syn. Sphaerella magnoliae Ell.).

psilospora Gilman & Wadley in Mycologia, 44, p. 219, 1952 on Quercus.—Iowa, U.S.A. zeina Saccas in Rev. Path. Vég., 30, p. 181,

1951 on Zea mays.—French Equatorial Africa.

Naemacyclus stictiformis Petrak in Sydowia. 5, p. 244, 1951 on *Pinus palustris*.—Florida, U.S.A.

Naematoloma elongatipes (Peck) Singer in Lilloa, 22, p. 504, 1951. (Syn. Psilocybe elongatipes (Peck) Sacc.).

ericaeum (Pers. ex Fr. sensu Kühn.) Singer in Lilloa, 22, p. 504, 1951. (Syn. Psilocybe ericaea (Pers. ex Fr.) Quél.).

ferrei (Bres.) Singer in Lilloa, 22, p. 503, 1951. (Syn. Stropharia ferrei Bres.).

hornemannii (Fr. ex Fr.) Singer in Lilloa, 22, p. 503, 1951. (Syn. Stropharia hornemannii (Fr.) Lundell & Nannfeldt).

squamosum (Pers. ex Fr.) Singer in Lilloa, 22, p. 503, 1951. (Syn. Stropharia squamosa (Pers. ex Fr.) Quél.).

subericaeum (Fr.) Singer in Lilloa, 22, p. 504, 1951. (Syn. Psilocybe subericaea (Fr.)

subumbonatescens (Murr.) Singer in Lilloa, 22, p. 504, 1951. (Syn. Stropharia subumbonatescens Murr.).

(Plowr. Nectria berkeleyana & Cooke) Dingley in Trans. roy. Soc. N.Z., 79, p. 183, 1951. (Syn. Hypomyces berkeleyanus Plowr. & Cooke).

-coprosmae Dingley in Trans. roy. Soc. N.Z., 79, p. 200, 1951 on Coprosma grandi-folia.—New Zealand.

-flammea (Tulasne) Dingley in Trans. roy. Soc. N.Z., 79, p. 189, 1951. (Syn. Sphaerostilbe flammea Tul.).

-fragilis Dingley in Trans. roy. Soc. N.Z., 79, p. 187, 1951 on Pseudowintera colorata. New Zealand.

fuliginosispora Luc in Rev. Mycologie, 16, Suppl. Col. No. 2, p. 117, 1951 on Melanconiopsis africana.—Ivory Coast.

- grisea Dingley nom. nov. in Trans. roy. Soc. N.Z., 79, p. 180, 1951. (Syn. Sphaerostilbe variabilis Berk. & Br., non N. variabilis Hara).

hauturu Dingley in Trans. roy. Soc. N.Z., 79, p. 185, 1951 on Carmichaelia.—New

Zealand.

manuka Dingley in Trans. roy. Soc. N.Z., 79, p. 183, 1951 on Leptospermum ericoides.— New Zealand.

— pinea Dingley in Trans. roy. Soc. N.Z., 79, p. 198, 1951 on Pinus radiata.—New Zealand.

plagianthi Dingley in Trans. roy. Soc. N.Z., 79, p. 196, 1951 on Plagianthus betulinus.— New Zealand.

-ruapehu Dingley in Trans. roy. Soc. N.Z., 79, p. 186, 1951 on Coprosma pseudocuneata.

-New Zealand.

- tawa Dingley in Trans. roy. Soc. N.Z., 79, p. 199, 1951 on Beilschmeidia tawa.—New Zealand.

westlandica Dingley in Trans. roy. Soc. N.Z., 79, p. 201, 1951 on Olearia avicenniaefolia.—New Zealand.

zeae Saccas in Rev. Path. Vég., 30, p. 182, 1951 on dead Zea mays.—French Equatorial

Africa.

Neogyromitra brunnea (Und.) Herter in Rev. Sudamer. Bot., 10, p. 16, 1951. (Syn. Gyromitra brunnea Und.).

Neopaxillus echinospermus (Speg.) Singer in Lilloa, 22, p. 633, 1951. (Syn. Naucoria

echinosperma Speg.).

Neottiosporella triseti Graniti in Nuovo G. bot. ital., N.S., 58, p. 151, 1951 on Trisetum flavescens.—Italy.

Nothoravenelia commiphorae Cummins in Bull. Torrey bot. Cl., 79, p. 215, 1952 on Commiphora.—Nyasaland.

Nummularia dispersa Batista in Bol. Agric., Pernambuco, 17, p. 60, 1950 on wood.-Brazil.

Omphalina abiegna (Berk. & Br.) Singer in Lilloa, 22, p. 212, 1951. (Syn. Agaricus umbelliferus Fr. var. abiegnus Berk. & Br.)

chlorocyanea (Pat.) Singer in Lilloa, 22, p. 212, 1951. (Syn. Agaricus chlorocyaneus Pat.).

gerardiana (Peck) Singer in Lilloa, 22, p. 212, 1951. (Syn. Clitocybe gerardiana (Peck)

- josserandii Singer nom. nov. in Lilloa, 22, p. 213, 1951. (Syn. Pleurotus mutilus sensu Josserand).

olivaria (Peck) Singer in Lilloa, 22, p. 212, 1951. (Syn. Agaricus olivarius Peck).

Ophiobolus bonplandii (Chard. & Toro) Petrak in Sydowia, 5, p. 353, 1951. (Syn. Humboldtina bonplandii Chard. & Toro).

zeae Saccas in Rev. Path. Vég., 30, p. 183, 1951 on dead Zea mays.—French Equatorial Africa.

Ophioceras zeae Saccas in Rev. Path. Vég., 30, p. 186, 1951 on dead Zea mays.—French

Equatorial Africa.

Ophiodothella circularis (Bres.) Petrak in Sydowia, 5, p. 340, 1951. (Syn. Scolecodothis circularis Bres.).

Panellus longinquus (Berk.) Singer in Sydowia, 5, p. 471, 1951. (Syn. Agaricus longinquus Berk.).

Panus crinitus (L. ex Fr.) Singer in Lilloa, 22, p. 275, 1951. (Syn. Lentinus crinitus L. ex Fr.).

-rudis Fr. var. semirudis (Singer) Singer (in error as 'subrudis') in Lilloa, 22, p. 275, 1951. (Syn. P. semirudis Singer).

var. strigellus (Berk. & Curt.) Singer in Lilloa, 22, p. 275, 1951. (Syn. Lentinus

strigellus Berk. & Curt.).

schnyderi (Speg.) Singer in Lilloa, 22, p. 275, 1951. (Syn. Lentinus schnyderi Speg.)

- siparius (Berk. & Curt.) Singer in Lilloa, 22, p. 275, 1951. (Syn. Lentinus siparius Berk. &

suavissimus (Fr.) Singer in Lilloa, 22, p. 274, 1951. (Syn. Lentinus suavissimus Fr.).

tigrinus (Bull. ex Fr.) Singer in Lilloa, 22, p. 275, 1951. (Syn. Lentinus tigrinus Bull. ex Fr.)

PARAPTERULICIUM Corner in Ann. Bot., Lond., N.S. 16, p. 285, 1952.—Clavariaceae. Type, P. subarbusculum.

octopodites Corner in Ann. Bot., Lond.,

N.S., 16, p. 286, 1952.—Brazil.

subarbusculum Corner in Ann. Bot., Lond.,

N.S., 16, p. 288, 1952.—Brazil.

Parmularia porteae Batista in Bol. Agric., Pernambuco, 18, p. 25, 1951 on Portea. Brazil.

Passeriniella adeana Petrak in Sydowia, 5, p. 408, 1951 on Asperula galioides.-Bavaria.

Peniophora pelliculosa Talbot in Bothalia,

6, p. 63, 1951 on wood.—Natal.

PEYRONELLAEA Goidanich (This Index, i, p. 192). Latin diagnosis in Ann. Sper. agr., N.S. 6, p. 92, 1952.—Sphaeropsidales. Type, P. glomerata.

\*Phaeobotryosphaeria varians Luc in Rev. Mycologie, 16, Suppl. Col. No. 2, p. 110,

1951 on Cola vera .-- Ivory Coast.

Phaeocollybia attenuata (A. H. Smith) Singer in Lilloa, 22, p. 567, 1951. (Syn. Naucoria attenuata A. H. Smith).

jennyae (Karst.) Moser (This Index, ii, p.

Le genre Inocybe, p. 70, 1931.
- radicata (Murr.) Singer in Lilloa, 22, p. 567, 1951. (Syn. Naucoria radicata (Murr.) Singer).

similis (Bres.) Singer in Lilloa, 22, p. 567,

1951. (Syn. Naucoria similis Bres.). Phaeomarasmius alnicola (Murr.) Singer in

Lilloa, 22, p. 577, 1951. (Syn. Crinipellis alnicola Murr.).

aridus (Pers.) Singer in Lilloa, 22, p. 577, 1951. (Syn. Agaricus aridus Pers.)

- carpophilus (Fr.) Singer in Lilloa, 22, p. 577, 1951. (Syn. Naucoria carpophila (Fr.) Quél.).

- chiliotrichi Singer nom. nov. in Sydowia, 5, p. 475, 1951. (Syn. Agaricus exquisitus Berk. in Hooker non Vitt. nec Speg.).

confragosus (Fr.) Singer in Lilloa, 22, p. 577, 1951. (Syn. Pholiota confragosa (Fr.) Karst.).

curcuma (Berk. & Curt.) Singer in Lilloa, 22, p. 577, 1951. (Syn. Naucoria curcuma (Berk. & Curt.) Sacc.).

erinaceella (Peck) Singer in Lilloa, 22, p. 577, 1951. (Syn. Agaricus erinaceella Peck).

gracilis (Quél.) Singer in Lilloa, 22, p. 577, 1951. (Syn. Pholiota muricata var. gracilis Quél.).

- granulosus (Lange) Singer in Lillog, 22, p. 577, 1951. (Syn. Naucoria granulosa

- pygmaeus (Bull. ex Fr. sensu Romagn.)

Singer in Lilloa, 22, p. 577, 1951. (Syn. Naucoria pygmaea (Bull. ex Fr.) Gill.).

— siparius (Fr.) Singer in Lilloa, 22, p. 577, 1951. (Syn. Naucoria siparia (Fr.) Gill.). wieslandri (Fr.) Singer in Lilloa, 22, p. 577,

1951. (Syn. Naucoria wieslandri (Fr.) Karst). Phaeomycena albidula (Pat.) Singer in Lilloa, 22, p. 309, 1951. (Syn. Collybia albidula Pat.).

Phialophora goidanichii Delitala in Ann. Sper. agr., N.S. 6, p. 254, 1952 on fruits of

Pyrus malus.—Italy.

radicicola Cain in Canad. J. Bot., 30, p. 340, 1952 from roots of Zea mays. - Ontario.

Phlebiella candidissima (Sehw.) W. B. Cooke in Mycologia, 44, p. 253, 1952. (Syn. Polyporus candidissimus Schw.).

- braunii (Bres.) Heinemann in Bull. Jard. bot. Brux., 21, p. 243, 1951. (Syn. Boletus

braunii Bres.).

- var. brunneoruber (Beeli) Heinemann in Bull. Jard. bot. Brux., 21, p. 243, 1951. (Syn. Boletus braunii var. brunneoruber Beeli).
- portentosus (Berk. & Br.) Boedijn in Sydowia, 5, p. 218, 1951. (Syn. Boletus portentosus Berk. & Br.).

-silvaticus Heinemann in Bull. Jard. bot. Brux., 21, p. 245, 1951.—Belgian Congo.

Phleospora crescentium (Barth.) Riley in Mycologia, 44, p. 215, 1952. (Syn. Cylindrosporium crescentium Barth.).

valesiaca (Niessl) Müller in Sydowia, 5, p. 169, 1951. (Syn. P. discors var. valesiaca

Pholiota abstrusa (Fr. sensu Lange) Singer in Lilloa, 22, p. 516, 1951. (Syn. Flammula abstrusa (Fr.) Romagn.).

flavida (Schaeff. ex Fr.) Singer in Lilloa, **22,** p. 516, 1951. (Syn. *Flammula flavida* (Schaeff. ex Fr.) Quél.).

-fusa (Batsch ex Fr. sensu Ricken) Singer in Lilloa, 22, p. 516, 1951. (Syn. Flammula fusa

(Batsch ex Fr.) Gill.).

graminis (Quél.) Singer in Lilloa, 22, p. 516, 1951. (Syn. Flammula graminis (Quél.) Singer).

-semiimbricata (Singer) Singer in Lilloa, 22, p. 516, 1951. (Syn. Flammula semiim-

bricata Singer). Pholiotina alnicola (Fr.) Singer in Lilloa, 22, p. 516, 1951. (Syn. Flammula alnicola (Fr.) Quél.).

astragalina (Fr.) Singer in Lilloa, 22, p. 516, 1951. (Syn. Flammula astragalina (Fr.)

Quél.). bicolor (Speg.) Singer in Lilloa, 22, p. 517, 1951. (Syn. Flammula bicolor Speg.).

carbonaria (Fr.) Singer in Lilloa, 22, p. 517, 1951. (Syn. Flammula carbonaria (Fr.) Quél.).

-freindlingiae (Singer) Singer in Lilloa, 22, p. 516, 1951. (Syn. Flammula freindlingiae

Singer).

gummosa (Lasch) Singer in Lilloa, 22, p. 517, 1951. (Syn. Flammula gummosa (Lasch)

-lapponica (Fr.) Singer in Lilloa, 22, p. 517, 1951. (Syn. Naucoria lapponica (Fr.) Sacc.).

-lenta (Pers. ex Fr.) Singer in Lilloa, 22, p. 516, 1951. (Syn. Flammula lenta (Pers. ex Fr.) Gill.).

- lubrica (Pers. ex Fr.) Singer in Lilloa, 22, p. 516, 1951. (Syn. Flammula lubrica (Pers. ex Fr.) Quél.).

- peronata (Kühn, & Maire) Singer in Lilloa, 22, p. 487, 1951. (Syn. Conocybe peronata Kühn. & Maire).

- pygmaeoaffinis (Fr.) Singer in Lilloa, 22, p. 487, 1951. (Syn. Galera pygmaeoaffinis

(Fr.) Lange).

spumosa (Fr.) Singer in Lilloa, 22, p. 517, 1951. (Syn. Flammula spumosa (Fr.) Karst.). - subnuda (Kühn.) Singer in Lilloa, 22, p.

487, 1951. (Syn. Conocybe subnuda Kühn.). - vestita (Fr. apud Quél.) Singer in Lilloa, 22, p. 487, 1951. (Syn. Galera vestita Fr. apud Quél.).

Phoma macrocollum Bausá Alcalde in An. Jard. bot. Madr., 10, p. 233, 1952 on Caly-

stegia sepium.-Spain.

- minuta Bausá Alcalde in An. Jard. bot. Madr., 10, p. 235, 1952 on dead Calystegia sepium.—Spain.

valentina Bausá Alcalde in An. Jard. bot. Madr., 10, p. 236, 1952 on dead Fontanesia

phillyraeoides .- Spain.

Phomopsis abutilonis de Urries in An. Jard. bot. Madr., 10, p. 211, 1952 on Abutilon sordidum.—Spain.

anonae de Urries in An. Jard. bot. Madr., 10, p. 214, 1952 on Anona cherimolia.-

Spain.

asparagicola Bausá Alcalde in An. Jard. bot. Madr., 10, p. 237, 1952 on Asparagus plumosus.—Spain.

bauhiniae Bausá Alcalde in An. Jard. bot. Madr., 10, p. 237, 1952 on dead Bauhinia purpurea.—Spain.

bougainvilleae da Camara in Agron. lusit., 13, p. 134, 1951 on Bougainvillaea.—Portugal. cassiae da Camara in Agron. lusit., 13, p.

199, 1951 on Cassia.—Portugal.

catalpicola Bausá Alcalde in An. Jard. bot. Madr., 10, p. 239, 1952 on Catalpa koempferi. -Spain.

fontanesiae Bausá Alcalde in An. Jard. bot. Madr., 10, p. 240, 1952 on Fontanesia phillyraeoides .- Spain.

grabowskiae Bausá Alcalde in An. Jard. bot. Madr., 10, p. 241, 1952 on Grabowskia boerhaaviaefolia.—Spain.

lentisci (Passer.) da Camara in Agron. lusit., 13, p. 135, 1951. (Syn. Phoma lentisci Passer.).

macrocollum Bausá Alcalde in An. Jard. bot. Madr., 10, p. 241, 1952 on Calystegia sepium.—Spain.

- vîticis de Ürries in An. Jard. bot. Madr., 10, p. 217, 1952 on Vitex agnus-castus and V. macrophylla.—Spain.

Phragmidiella africana Cummins in Bull. Torrey bot. Cl., 79, p. 215, 1952 on Stereospermum acuminatissimum.—Sierra Leone.

Phyllachora tequendamensis (Chard.) Pettrak in Sydowia, 5, p. 337, 1951. (Syn. Endotrabutia tequendamensis Chard.).

Phylloporus ater (Beeli) Heinemann in Bull. Jard. bot. Brux., 21, p. 260, 1951. (Syn. Favolus ater Beeli).

- carmineus Heinemann in Bull. Jard. bot. Brux., 21, p. 263, 1951.—Belgian Congo.

purpureus (Beeli) Heinemann in Bull. Jard. bot. Brux., 21, p. 250, 1951. (Syn. Favolus purpureus Beeli).

var. ambiguus Heinemann in Bull. Jard. bot. Brux., 21, p. 253, 1951.—Belgian Congo.

testaceus Heinemann & Goossens apud Heinemann in Bull. Jard. bot. Brux., 21, p. 255, 1951.—Belgian Congo.

- var. bisporus Heinemann in Bull. Jard. bot. Brux., 21, p. 258, 1951.—Belgian Congo. tubipes Heinemann in Bull. Jard. bot. Brux.,

21, p. 261, 1951.—Belgian Congo.

Phyllosticta caatingae Batista in Bol. Agric., Pernambuco, 17, p. 163, 1950 on Croton sincorensis .-- Brazil.

multiformis Pettinari in Ann. Sper. agr., N.S. 6, p. 124, 1952 on Lactuca scariola.—

Italy.

- zeae-maydis Saccas in Rev. Path. Vég., 30, p. 189, 1951 on dead Zea mays.—French Equatorial Africa.

Physoderma marsileae Brewster in Mycologia, 44, p. 99, 1952 on Marsilea vestita.

Kansas, U.S.A.

Pilidium australasicum (Speg.) Petrak in Sydowia, 5, p. 341, 1951. (Syn. Sclerotiopsis australasica Speg.).

Pleospora caudata (Rehm) Müller in Sydowia, 5, p. 291, 1951. (Syn. P. media Niessl forma

caudata Rehm).

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For Phanerogams see under families; for Algae, Fungi, and Pteridophyta see under those names; for animal hosts see under Insecta, Invertebrata, and Vertebrata

ACANTHACEAE

Monechma subsessile

 $Uredo\ monechmae$ Rhinacanthus nasutus

Uromyces rhinacanthi

ACERACEAE Acer glabrum var. douglasii

Stromatocrea cerebriforme Acer negundo

Macrophoma negundinis

ALGAE

Oscillatoria rubescens

Rhizophidium deformans

Rhizophidium oscillatoriae-rubescentis

Sphaerocystis schroeteri Polyphagus ramosus

Vaucheria geminata

Chytridium sexuale AMARANTACEAE

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Puccinia padwickii Cyathula uncinulata

Puccinia cyathulicola Puccinia cyathulicola var. kenyensis AMARYLLIDACEAE

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Narcissus

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Cleistopholis patens

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APOCYNACEAE

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Uredo alafiae

Carpodinus dulcis Uraecium carpodini

Mandevilla

Hemileia mandevillae

APOCYNACEAE (continued)

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Fusicoccum lahoreanum

Trachelospermum jasminoides Ascochyta trachelospermi

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Hendersonia ilicina

ARACEAE

Culcasia scandens

Annellophora appendiculata

ASCLEPIADACEAE

Calotrosis procera

Uredo calotropsidis

?Leptadenia pyrotechnica

 $Diplodina\ iranica$ Margaretta whytei

Aecidium margarettae

Tylophora conspicua

Aecidium tafoense

BERBERIDACEAE

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Colletotrichum mahoniae

BETULACEAE

Alnus glutinosa

Stagonospora betulina f. crassispora

BIGNONIACEAE

Catalpa koempferi

Phomopsis catalpicola

Clytostoma calystegioides

Prospodium oblectum

Stereospermum acuminatissimum

Phragmidiella africana

Stereospermum suaveolens

Synchytrium stereospermi

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Diplodia bombacina

BORAGINACEAE

Cordia obliqua

Cytosporella corticola

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Ananas comosus

Stachybotrys parvispora

Portea

Parmularia porteae

BURSERACEAE

Commiphora

Nothoravenelia commiphorae

CAPPARIDACEAE

Capparis aphylla

Camarosporium capparidis

CAPRIFOLIACEAE

Lonicera

Pleospora heterophragmia

Viburnum tinus

Strasseria viburni

CARYOPHYLLACEAE

Acanthophyllum

Thyrostroma acanthophylli

Minuartia verna

Pleospora rupestris

CHENOPODIACEAE

Atriplex halimus

Cerebella atriplicis

CISTACEAE

Cistus ladaniferus

Hendersonia cisti

COMBRETACEAE

Combretum Cerotelium combreti

Terminalia

Stilbospora terminaliae

COMPOSITAE

Aster ageratoides subsp. obovatus

Uncinula asteris

' Baccharis

Puccinia enixa

Blumea

Entyloma globigena

Centaurea jacea

Leptosphaeria jaceae

Erlangea ?marginata

Angiopsora wiehei

Galinsoga parviflora

Protomyces wodziczkoi

Guizotia scabra

Puccinia guizotiae

Lactuca scariola

Phyllosticta multiformis

Olearia avicenniaefolia

Nectria westlandica

Pertya glabrescens

Coleosporium pertyae

Senecio scandens

Aecidium senecionis-scandentis

Vernonia cistifolia

Puccinia kenyana

CONTFERAE

Cryptomeria japonica

Sclerotinia kitajimana

Larix occidentalis

Coccodinium laricis

Pinus palustris Naemacyclus stictiformis

Pinus ponderosa

Trichoscyphella tenuipilosa

Pseudotsuga taxifolia var. glauca

Helminthosporium pseudotsugae

CONVOLVULACEAE Calystegia sepium

Phoma macrocollum

Phoma minuta

Phomopsis macrocollum

Convolvulus

Torula convolvuli

CORNACEAE

Helwingia japonica

Microsphaera helwingiae

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Trichosanthes dioica

Blastotrichum chowdhuryi

Trichosanthes multiloba

Uromyces yashimensis

CYPERACEAE

Scirpus tabernaemontanus

Arthrinium curvatum var. minus

Rhynchospora plumosa

Thecaphora rhynchosporae

DATISCACEAE

Datisca cannabina

Cercospora datiscicola

DILLENIACEAE

Tetracera alnifolia

Asterina scruposa var. longipoda

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Arbutus unedo

Didymosphaeria dimastospora

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Croton ?macrostachys

Uraecium magnisporum Croton sincorensis

Phyllosticta caatingae Septoria sincorensis

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Tragia spathulata Asterina tragiae

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Discosia nobilis Hercospora concinna Mycosphaerella psilospora Quercus atropatena

Cladosporium manoutchehrii

Quercus serrata Microsphaera querci

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Exidia glandulosa Helicogloea parasitica Melanconiopsis africana Nectria fuliginosispora Phyllachora

Leptosphaeria caucana

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Pelargonium peltatum Dothiorella paucilocelata GLOBULARIACEAE

Globularia cordifolia Trichodothella blumeri

GRAMINEAE Agropyron intermedium Tilletia brevifaciens Cenchrus ciliaris

Puccinia cenchri var. africana

Cynodon daetylon Dothiorella graminicola

Distichlis stricta Ustilago halophiloides Enneapogon desvauxii Ustilago enneapogonis

Hilaria jamesii Ustilago hilariicola Hystrix hackeli

Puccinia asprellae-japonicae Imperata cylindrica var. africana Deightoniella africana

Lolium

Puccinia graminis subsp. lolii

Lolium multiflorum Ustilago compacta

Loudetia

Sorosporium loudetiae Muhlenbergia filiformis Tilletia asperifolioides

Muhlenbergia utilis Tilletia pachyderma

Oryza sativa

Fusarium annulatum Fusarium moniliforme var. oryzae Fusarium nivale var. oryzae Gibberella fujikuroi f. oryzae

Orvzopsis miliacea Leptosphaeria papillosa Panicum antidotale

Diplodina panici Panicum plicatum Uredo panici-plicati

Panicum trypheron Tilletia narasimhanii

Phleum alpinum Clathrospora multiseptata GRAMINEAE (continued) Phleum phleoides Pleospora phlei

Poa alpina

Pleospora subalpina

Poa secunda

Tilletia scrobiculata

Saccharum officinarum

Dictyoarthrinium africanum

Setaria pallidifusca

Sorosporium setaricola Tilletia makutensis

Setaria splendida Puccinia wiehei

Tripsacum dactyloides Puccinia tripsacicola

Trisetum distichophyllum Pleospora raetica

Trisetum flavescens Neottiosporella triseti

Zea mays

Acanthostigma zeae Coleroa boukokoensis Coleroa maydicola Coniothyrium maydis

Didymosphaeria maydis Diplodia zeicola Diplodina drouillonii

Gibbera maydis Hendersonia maydis Leptosphaeria zeae-maydis

Leptosphaeria zeicola Mycosphaerella zeina

Nectria zeae Ophiobolus zeae Ophioceras zeae Phialophora radicicola Phyllosticta zeae-maydis Pleospora zeina

Stagonospora zeina Trichoseptoria maydina

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Liquidambar styraciflua Cryptodiapothe liquidambaris Discosporium liquidambaris

Ancistrotermites latinotus Termitomyces medius Bembidion picipes Laboulbenia bembidio-palpi Laboulbenia odobena

Laboulbenia tapirina

INVERTEBRATA (other than Insecta) Nematodes

Arthrobotrys robusta Dactylella lobata

Didymozoophaga arthrobotryoides var. in-

Didymozoophaga dolioformis

 $Didymozoophaga\ globospora$ Didymozoophaga globospora var. microspora

Didymozoophaga globospora var. rosea

Didymozoophaga kirghizica

Didymozoophaga oligospora var. fusiformis

Didymozoophaga oviformis

Didymozoophaga oviformis var. ramosa

Didymozoophaga pravicovia

Didymozoophaga spongiosa

Didymozoophaga superba var. macrospora Trichothecium cystosporium

JUNCACEAE

Juncus densiflorus var. pohlii Uromyces occultus

LABIATAE

Elsholtzia patrini

Ischnochaeta elsholtziae

Iboza multiflora

Puccinia ibozae

Lavandula stoechas

Leptosphaeria lavandulae

Marrubium vulgare

Diplodina marrubii

Mentha spp. Verticillium albo-atrum var. menthae

Monarda fistulosa

Verticillium albo-atrum var. menthae

Nepeta glechoma Erysiphe nepetae

Salvia.

Dothiorella salviae

Salvia azurea

Puccinia farinacea var. azurea

Salvia fulgens

Puccinia biporula

Salvia karwinskii

Puccinia farinacea var. constricta

Salvia pseudococcinea Aecidium wiehei

Salvia purpurea

Puccinia mitrata var. basiporula

Salvia tiliaefolia

Puccinia alamedensis

Teucrium cravense

Septoria cravensis

LARDIZABALACEAE

Akebia quinata

Microsphaera akebiae Akebia trifoliata

Microsphaera akebiae

LAURACEAE

Beilschmeidia tawa

Nectria tawa

LEGUMINOSAE

Acacia

Ravenelia ajmerensis

Acacia arabica

Cytosporella lignicola

Acacia cuninghami

Colletotrichum acaciae Acacia senegal

Ravenelia acaciae-senegaliae

Ravenelia acacicola

Albizzia harveyi

Ravenelia albizziicola

Baphia nitida

Asterina baphiae

Uraecium africanum

Bauhinia purpurea

Phomopsis bauhiniae

Carmichaelia

Nectria hauturu

Cassia

Phomopsis cassiae Ravenelia wiehei

Ceratonia siliqua

Amphichaeta ceratoniae

Erinacea pungens

Pseudosarcophoma caballeroi

Fabricia laevigata

Diplodia fabriciae

Massaria sphaerelloidea

Gymnocladus canadensis

Colletotrichum gymnocladi

Indigofera

Helminthosporium iranicum

Pithecolobium polycephalum

Massaria sphaerelloidea

Stictis caballeroi

LILIACEAE

Agapanthus umbellatus Strasseria agapanthi

Asparagus

Fusicoccum asparagi

Asparagus plumosus Phomopsis asparagicola

LOGANIACEAE

Anthocleista nobilis

Annellophora africana

LORANTHACEAE

Loranthus

Asterina aburiensis

LYTHRACEAE

Lagerstroemia alba

Dothiorella lagerstroemiae

MAGNOLIACEAE

Magnolia obovata

Microsphaera magnoliae

Schizandra nigra

Microsphaera schizandra

MALVACEAE

Abutilon sordidum

Phomopsis abutilonis

Abutilon striatum

Ascochyta abutilonicola

Plagianthus betulinus

Nectria plagianthi

Coleosporium sidae

MARANTACEAE

Hypselodelphis ?poggeana

Meliola hypselodelphidis

MELIACEAE

Melia azedarach

Pseudovalsa shearii

Pyrgostroma shearii

MENISPERMACEAE

Triclisia subcordata

Meliola pericampyli var. triclisiae

MORACEAE

Chlorophora regia

Uredo chlorophorae

Ficus palmata

Dothiorella ficina

Morus alba

Uredo morifolia

Morus australis

Uredo morifolia

Ficus benjamina

Valsaria squarrosa

MYOPORACEAE Myoporum acuminatum

Microbotryodiplodia myopori

Myoporum sandwichense

Uredo myopori

MYRTACEAE

Eucalyptus

Cylindrocladium scoparium var. brasiliensis

Leptospermum ericoides

Nectria manuka

NYCTAGINACEAE

Bougainvillaea

Diplodia bougainvilleae

Phomopsis bougainvilleae

OLEACEAE

Fontanesia phillyraeoides

Alveophoma caballeroi

Phoma valentina Phomopsis fontanesiae

Jasminum officinalis Pleurophomopsis valentinus OLEACEAE (continued) Ligustrum vulgare Cytospora teheranica Nyctanthes arbor-tristis Synchytrium nyctanthidis ONAGRACEAE

Epilobium angustifolium Pleospora epilobii

PALMAE

Borassus aethiopus Dictyoarthrinium quadratum Cocos nucifera

Dictyosporium cocophylum

Sabal palmetto Massarina floridana Xylosphaeria deviata

PEDALIACEAE

Sesamum indicum Synchytrium stereospermi

PINACEAE

Pinus radiata Nectria radiata PITTOSPORACEAE

Pittosporum abyssinicum Uromyces kigesianus Pittosporum undulatum

Coryneum doliolioides PLATANACEAE

Platanus

Sphaeronaema platani

POLEMONIACEAE Polemonium californicum Entyloma montis-ranieri

PORTULACACEAE Claytonia lanceolata

Puccinia claytoniicola PTERIDOPHYTA

Marsilea vestita Physoderma marsileae Stenochlaena vestita Uredo stenochlaenae

RANUNCULACEAE Clematis hayata Puccinia clematis-hayatae Paeonia officinalis Ascochyta paeoniae Thalictrum rhynchocarpum

Uromyces wiehei

RAPATEACEAE

Maschalocephalus dinklagei  $Uredo\ maschalocephali$ RHAMNACEAE

Berchemia racemosa Microsphaera berchemiae Zizyphus jujuba Diplodiella milleri

ROSACEAE

Acomastylis turbinata Cashiella atra

Prunus Massaria sphaerelloidea

Prunus grayana Podosphaera longiseta Pyrus malus

Phialophora goidanichii Rubus

Uredo jeffersii Spiraea prunifolia Sphaerotheca spiraeae

Spiraea thunbergii Sphaerotheca spiraeae RUBIACEAE

Anthocephalus cadamba Gloeosporium anthocephali

Asperula galioides Passeriniella adeana

Borreria hispida Synchytrium borreriae

Borreria laevis Uromyces wolfii

Coprosma grandifolia  $ilde{N}ectria\ coprosmae$ 

Coprosma pseudocuneata Nectria ruapehu

Galium japonicum Puccinia ishizuchiensis

Txora

Asterinella ixoricola

RUTACEAE

Citrus limonum

Gloeosporium pedemontanum

SALICACEAE

Salix reticulata var. gigantifolia

Uredo mckinleyensis SALVADORACEAE

Salvadora oleoides

Diplodia salvadorina

SAMYDACEAE

Homalium dolichophyllum Asterina homaliicola

SAXIFRAGACEAE

Lithophragma parviflora Entyloma lithophragmae

SCROPHULARIACEAE Pedicularis latifolia

Pleospora minor var. americana

SIMARUBACEAE

Picrasma quasioides  $Microspar{h}aera~picrasmae$ 

SOLANACEAE

Grabowskia boerhaaviaefolia  $Dothiorella\ valentina$ Phomopsis grabowskiae

Withania somnifera Coniothyrium withaniae Diplodia withaniae

STAPHYLEACEAE

Staphylea bumalda Microsphaera staphyleae

STERCULIACEAE

Cola vera

Melanconiopsis africana Melomastis hyalostoma Phaeobotryosphaeria varians Teichosporella pachyasca

Dombeya nairobiensis  $Puccinia\ dombeyae$ 

Theobroma cacao

Menisporopsis theobromae

ULMACEAE

Celtis prantlii

Meliola celtidiae var. prantlii

 $Xylosphaeria\ marylandica$ 

UMBELLIFERAE

Angelica morrisonicola Puccinia nokoensis

Cachrys

Puccinia behboudii

Hydrocotyle ranunculoides Entyloma fimbriatum

Lomatium grayi Ascochyta lomatii URTICACEAE
Boehmeria caudata
Kuehneromyces nudus
Laportea bulbifera
Uredo laporteae
Pilea petiolaris
Ischnochaeta pileae

VERBENACEAE
Vitex agnus-castus
Phomopsis viticis
Vitex macrophylla
Phomopsis viticis

VERTEBRATAE
Homo sapiens
Sabourdites rivalieri
VITACEAE
Cissus oreophila
Asterina cissi
Leea guineensis
Asterina leeae

WINTERACEAE
Pseudowintera colorata
Nectria fragilis

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